Procedure for the extraction and purification of ATC07-α and ATC07-β from Tricholoma Conglobatum

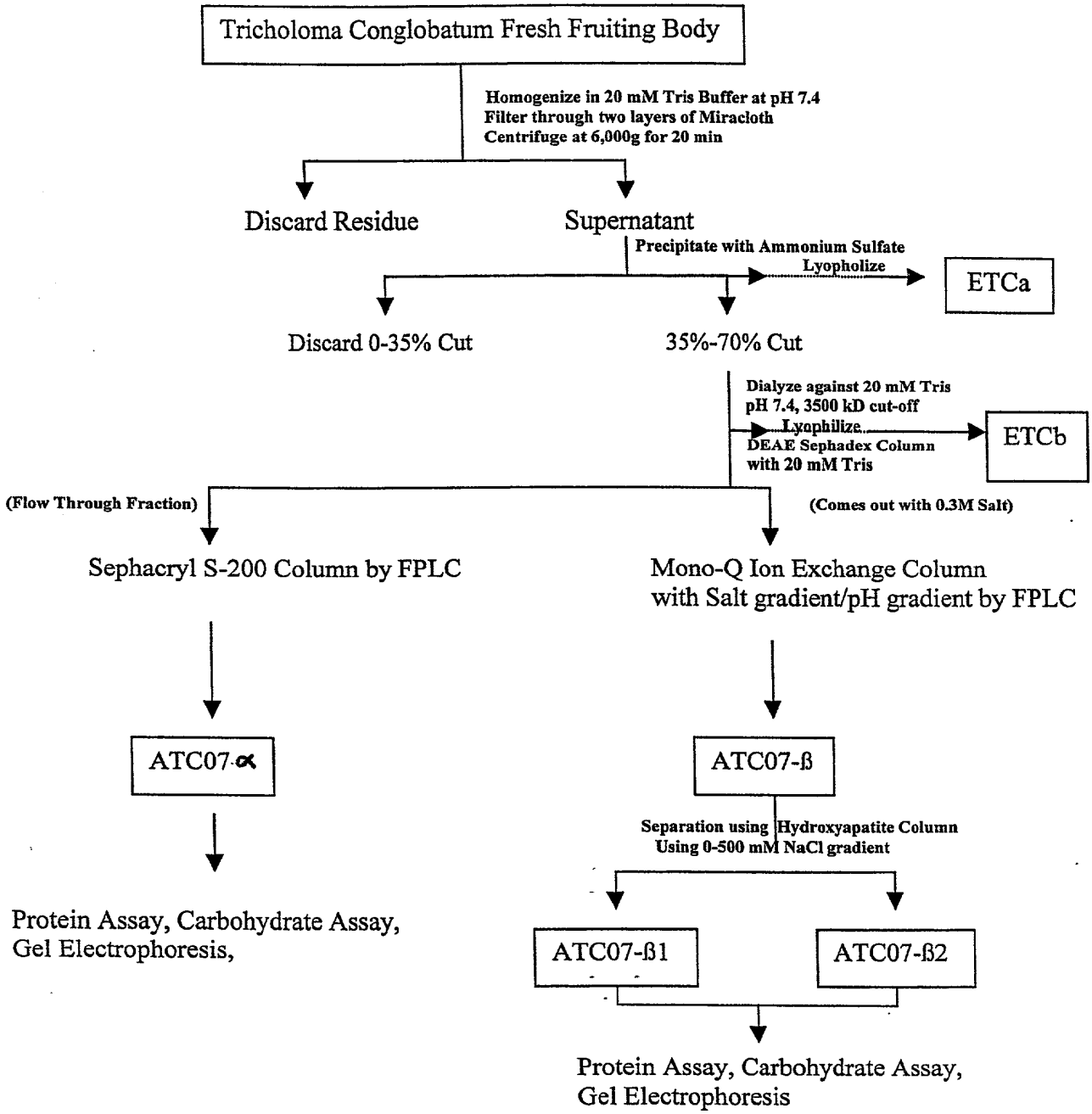


FIGURE 1

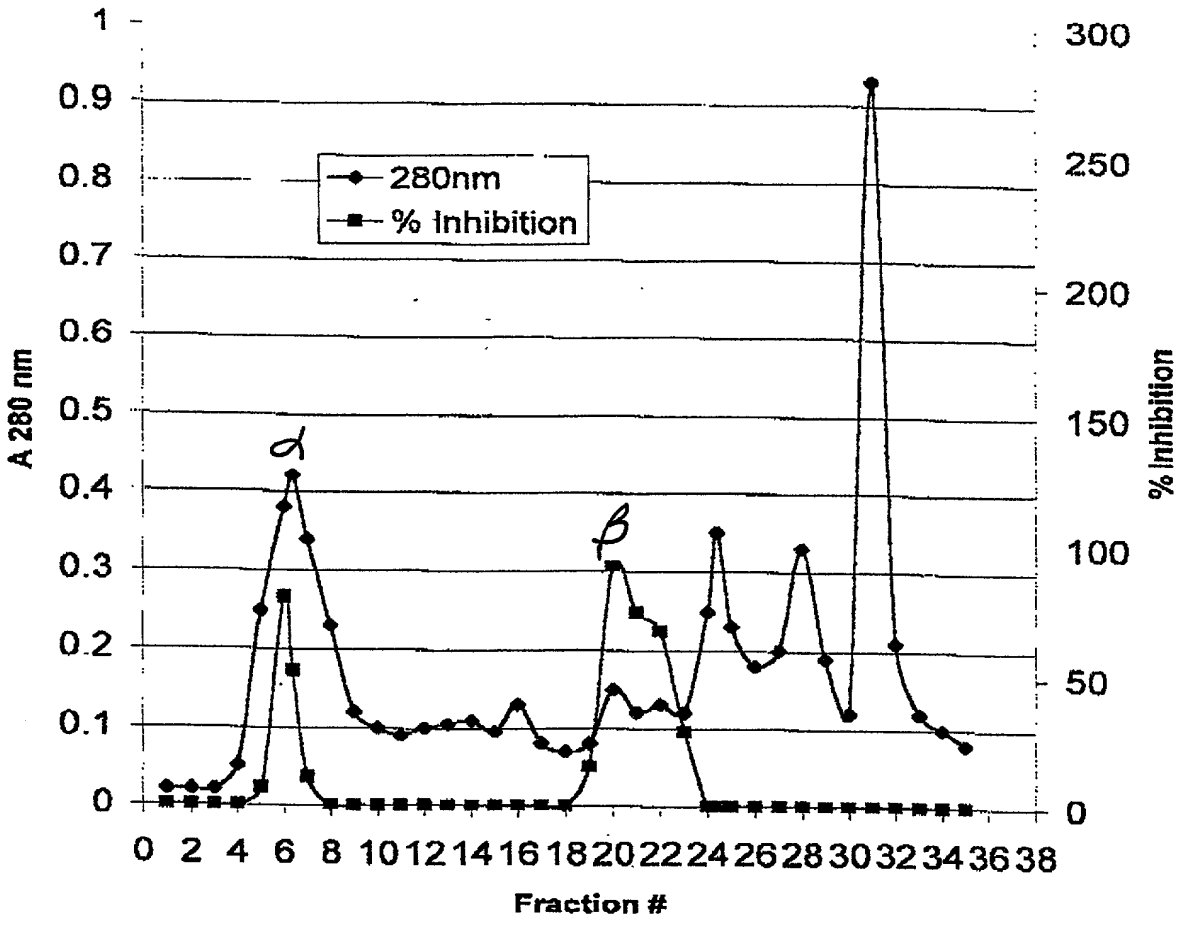


Figure 2: Mono-Q FPLC Chromatography of Crude Extract from Tricholoma Conglobatum
Column Condition: Buffer 20 mM K-phosphate, pH 7.5
Flow rate 2mL/min
Detection 280 nm, Sensitivity 0.5
Temperature 25°C
Gradient elution 0~1 M Sodium Chloride

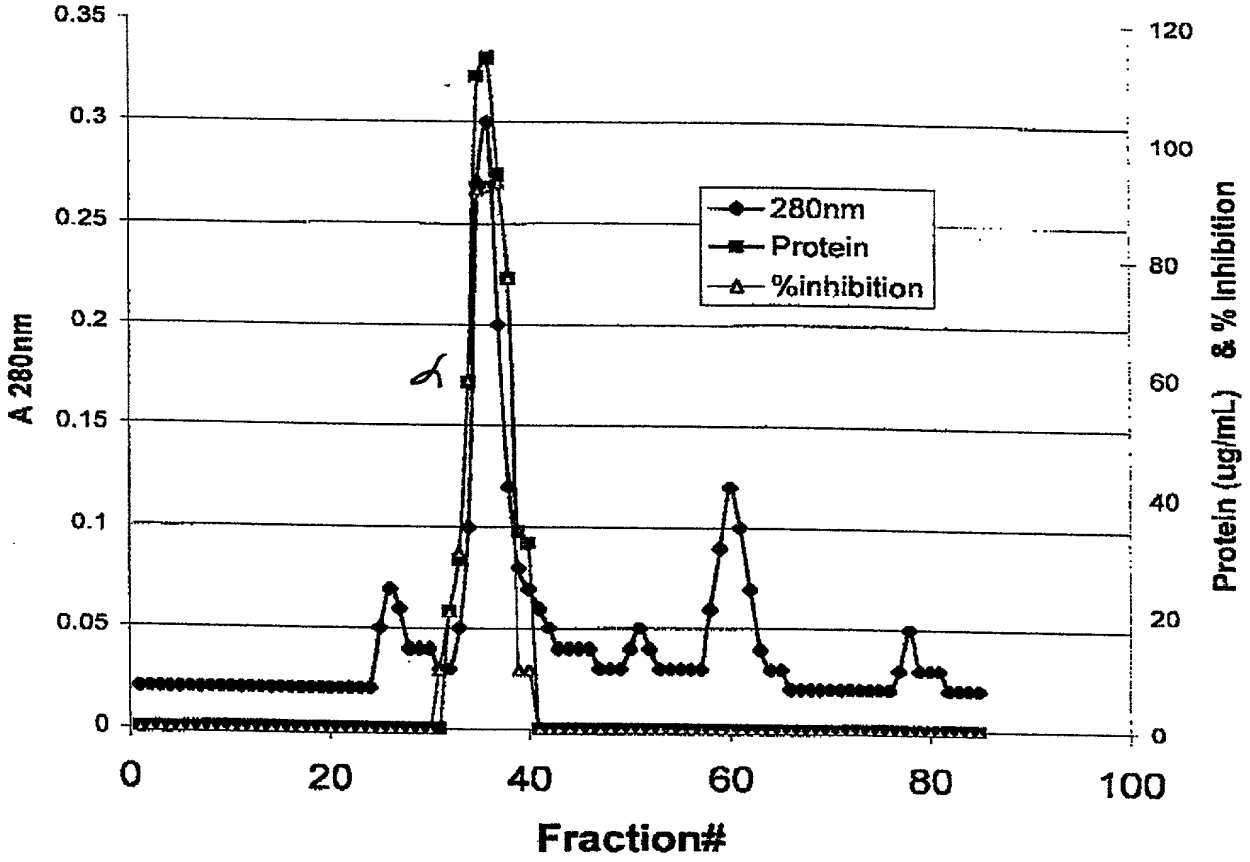


Figure 3: Sephacryl -200 FPLC Chromatography of Active Fraction from ATC07-a obtained from the Elution on a Mono-Q Chromatography

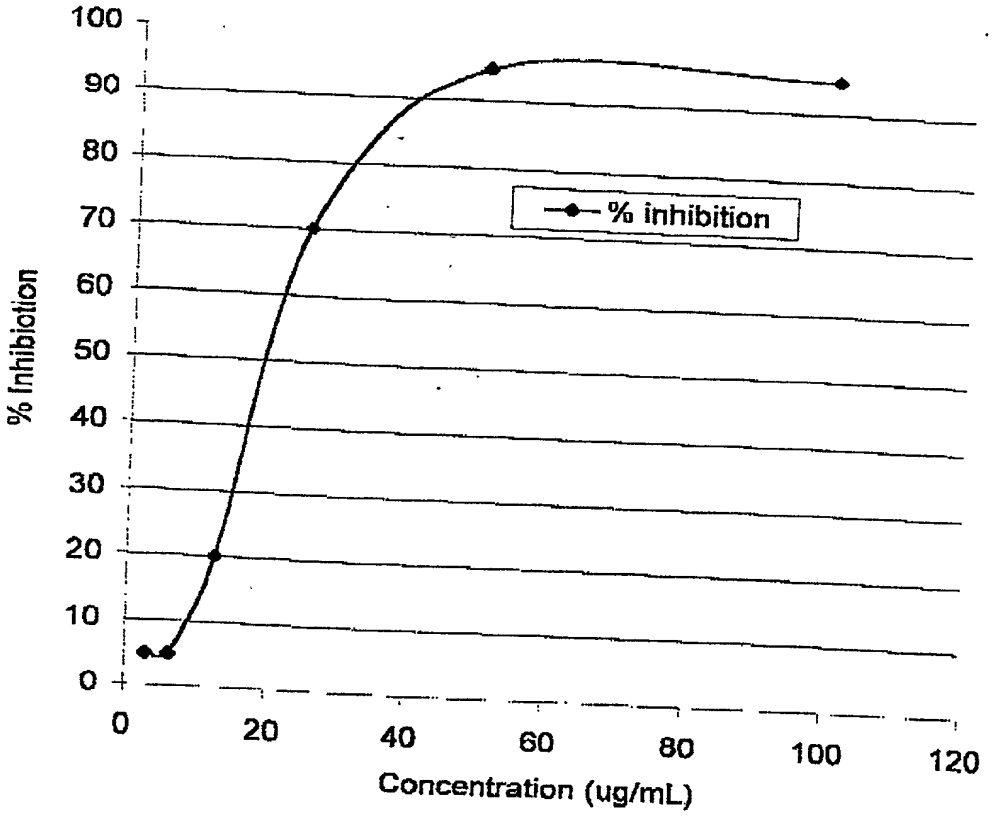


Figure 4: Concentration Dependent of Anti-angiogenic Activity of ATC07α Anti-angiogenic Activity determined by Endothelial Cell Culture (ECC) Assay

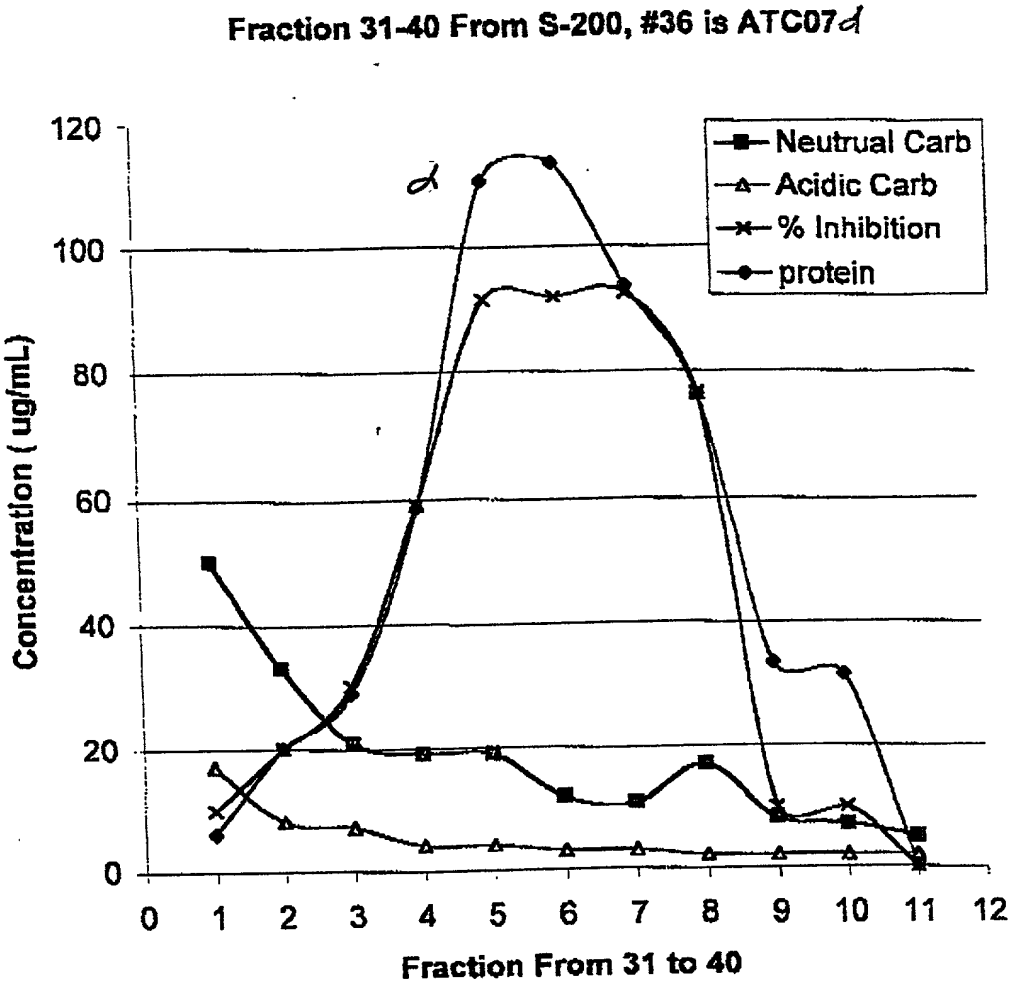
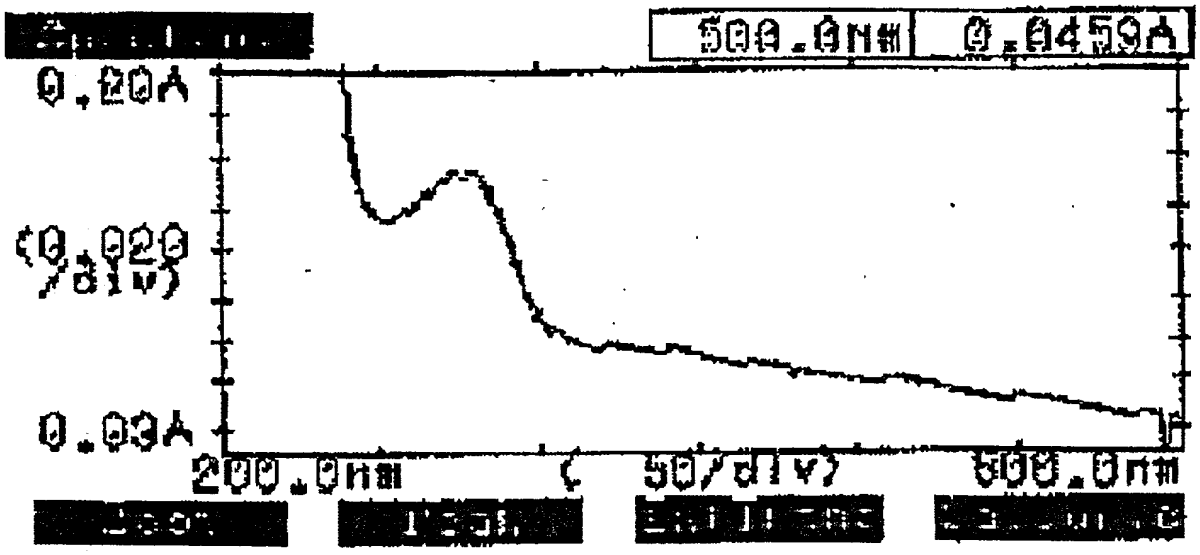


Figure 5: Protein and Carbohydrate Analysis of Fraction 31-40 from Sephacryl S-200 Chromatography



01/03/10 11:10:21

X	ABS
277.0	0.1599

X	ABS

FIGURE 6

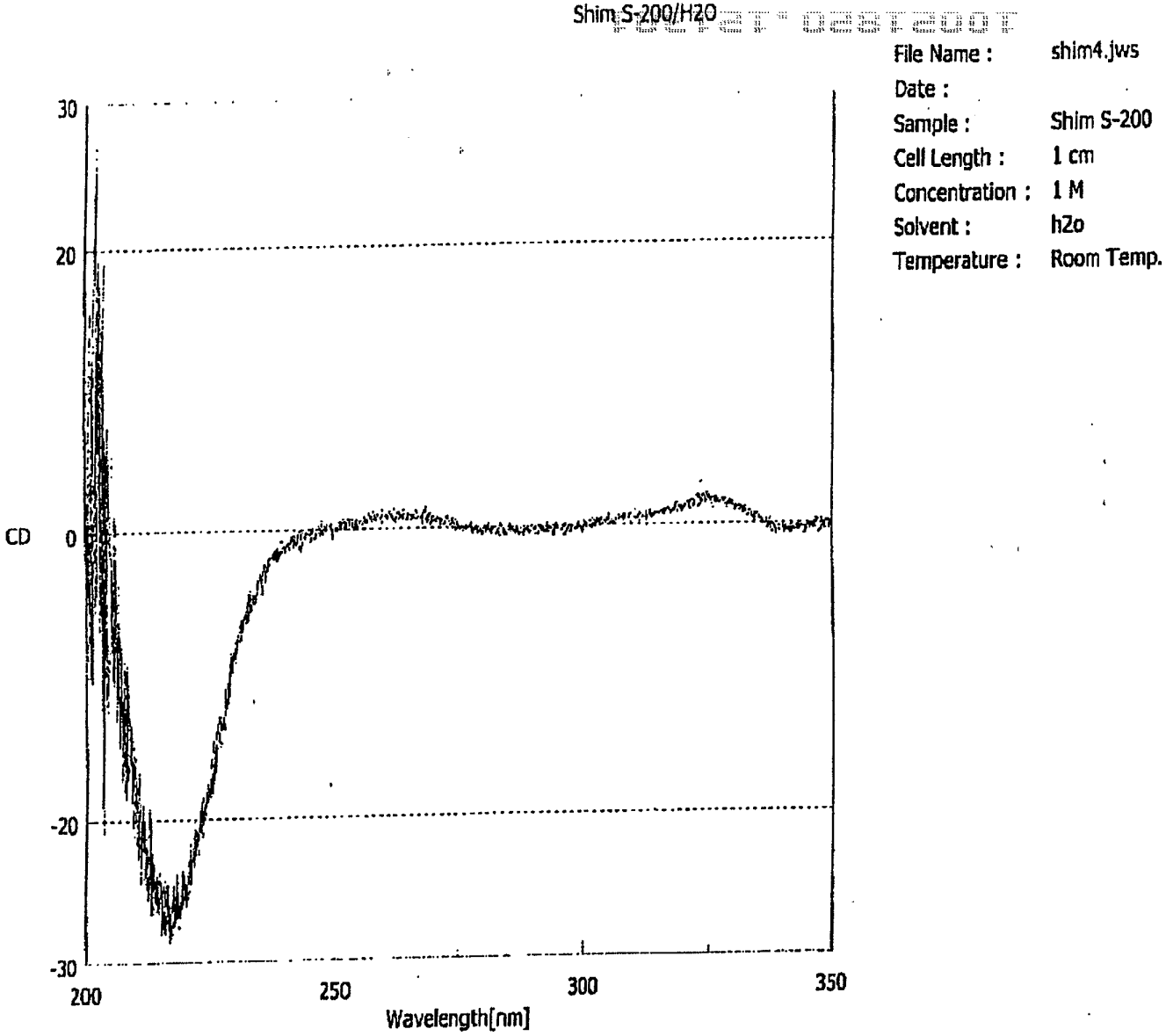
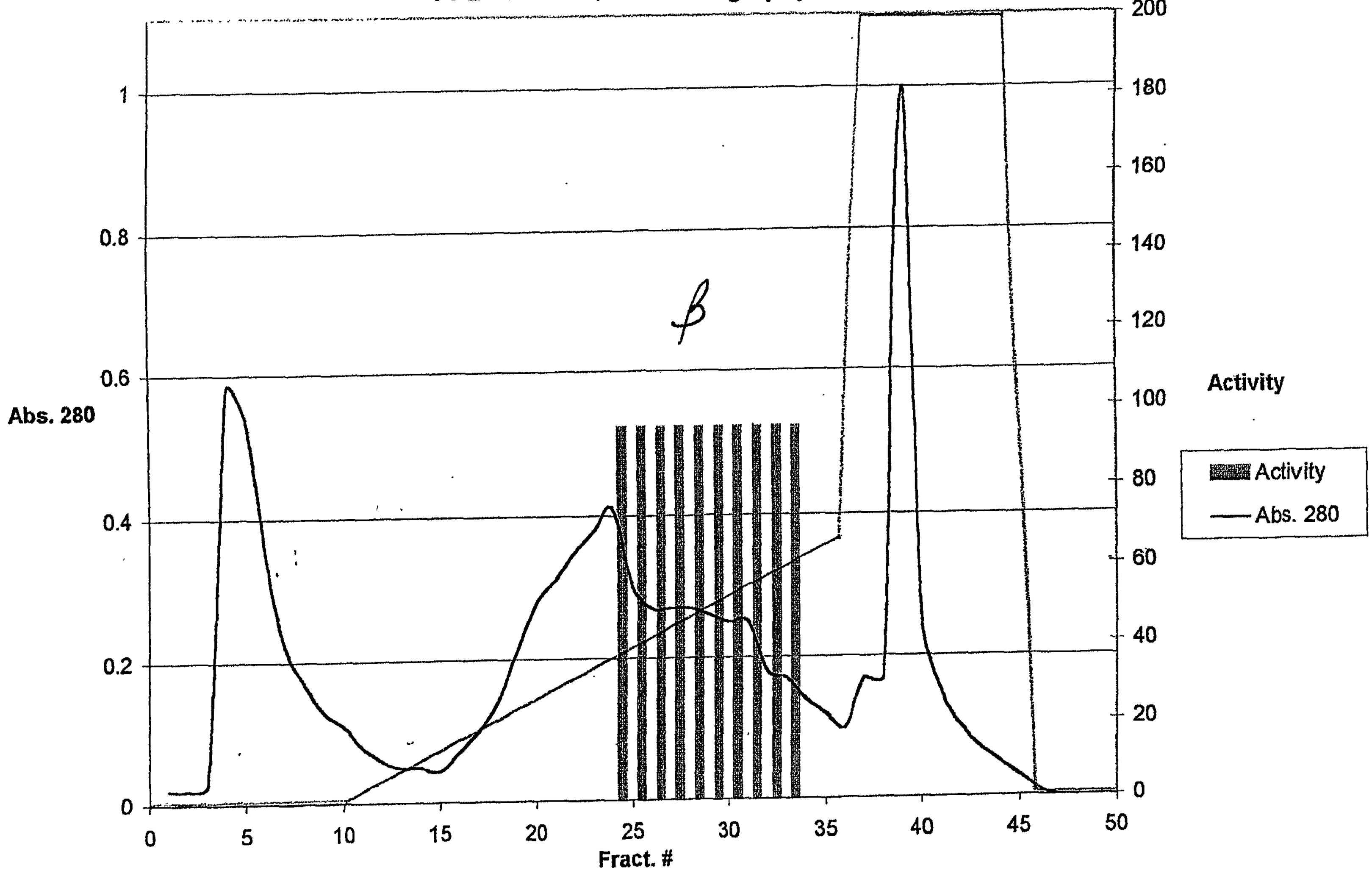

Shim S-200/H2O
File Name : shim4.jws
Date :
Sample : Shim S-200
Cell Length : 1 cm
Concentration : 1 M
Solvent : h2o
Temperature : Room Temp.
30
20
0
-20
-30
CD
200
250
300
350
Wavelength[nm]

Figure 7

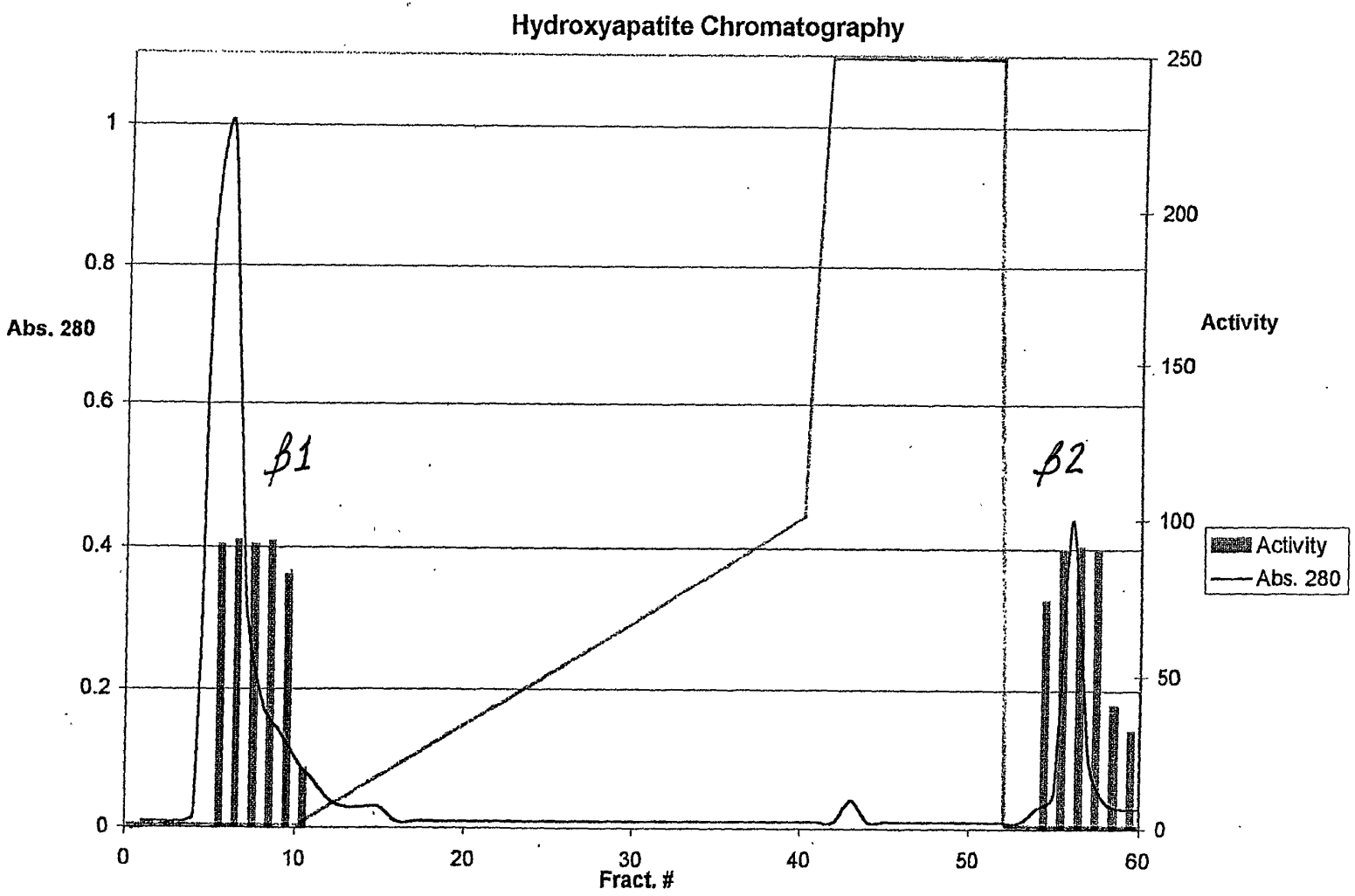
FPLC Mono Q Chromatography



FPLC mono Q chromatography with NaCl gradient of DEAE sephadex peak 2, yielding one active region, Beta.

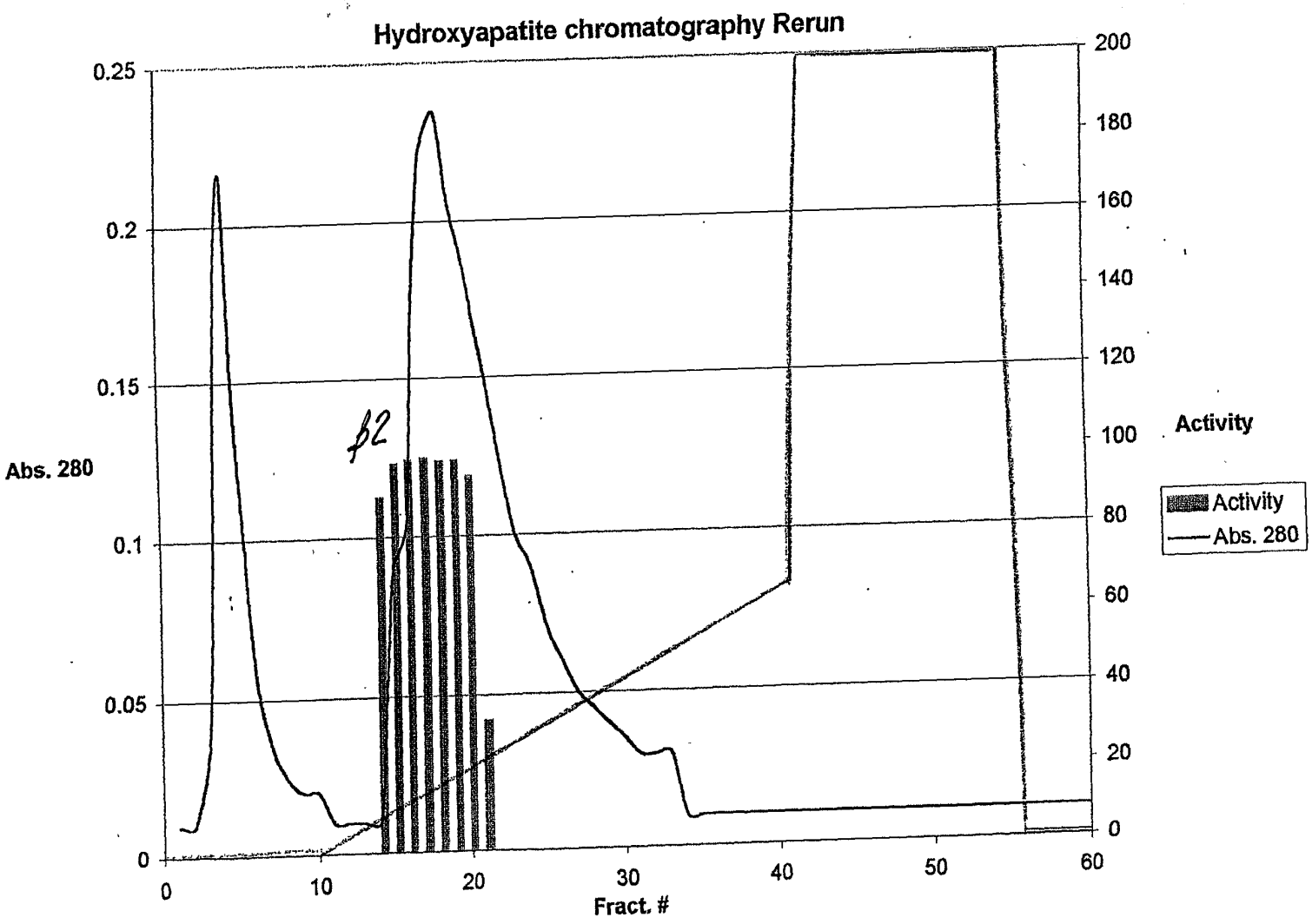
FIGURE 8

FIGURE 9



Hydroxyapatite chromatograpghy with NaCl gradient of
Mono Q Beta, yielding 2 active regions Beta-1 and Beta- 2

FIGURE 10



Hydroxyapatite Chromatography with phosphate gradient of Beta- 2